

# Shivaprasad R K

Data Scientist

Tumkur, Karnataka, India

Phone: +91-8792308900 Email: shivaprasadrkcse@gmail.com

LinkedIn: linkedin.com/in/shivaprasad-r-k-1a56b1266

GitHub: github.com/shivaprasadrk

LeetCode: leetcode.com/u/Shivaprasad29

## Professional Summary

---

Detail-oriented Data Scientist with hands-on experience in data preprocessing, statistical modeling, and machine learning. Skilled in Python, pandas, scikitlearn, and TensorFlow, with a track record of extracting actionable insights from complex datasets. Strong problem-solving mindset with project work in healthcare analytics, time-series forecasting, and image classification.

## Education

---

**Alva's Institute of Engineering and Technology, Moodbidri**

**2022 – 2026**

*B.E. in Computer Science and Engineering*

*CGPA: 8.35/10, Mangalore, Karnataka*

**Morarji Desai Residential Pre-University Of Science College**

**2020 – 2022**

*Pre University Education*

*Percentage: 88.16, Tumkur, Karnataka*

## Projects

---

**Video Game Sales Prediction using Machine Learning** | Python, Pandas, Scikit-learn, Matplotlib

**April 2025**

- Developed a predictive analytics model to estimate global video game sales using historical data.
- Applied Linear Regression and Decision Tree Regression to train and evaluate predictive performance.
- Performed data preprocessing, handling of missing values, and exploratory data analysis (EDA) to understand key sales drivers.
- Visualized feature relationships and model outcomes to derive actionable insights.
- Compared models using  $R^2$  score and highlighted the effectiveness of Decision Tree in handling non-linear trends.

**Rainfall Prediction (Time-Series Forecasting)** | Python, pandas, statsmodels

**May 2025**

- Cleaned and transformed historical rainfall data using time-series decomposition.
- Built ARIMA model to forecast rainfall patterns with MAE improvement of 18% over baseline.
- Visualized trend and seasonality with rolling mean plots.

**Tumor Detection using CNN (Image Classification)** | Python, TensorFlow, Keras

**June 2025**

- Built a Convolutional Neural Network to classify tumor images with 92% accuracy.
- Applied image augmentation and dropout layers to reduce overfitting.
- Used TensorBoard for model performance tracking.

## Technical Skills

---

**Programming and Tools:** Python, Java, Jupyter Notebook, Google Colab

**Libraries and Frameworks** pandas, NumPy, scikit-learn, TensorFlow, Matplotlib, Seaborn

**Data Handling:** Data Cleaning, Data Wrangling, SQL, Exploratory Data Analysis (EDA), Excel, PowerBI (Basics)

**Machine Learning:** Linear/Logistic Regression, Decision Trees, KNN, Random Forest, K-Means Clustering

**Deep Learning:** Neural Networks, CNNs, Image Classification

## Certifications

---

- Data Science Certification – **TuteDude(2025)**
- Data Structures and Applications – **CodeChef(2024)**